**TUGAS LOGIKA MATEMATIKA**



Dibuat Oleh:

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**Tugas / Latihan:**

1. Buat tabel kebenaran untuk pernyataan berikut:

(p → ¬ q ) ↔ ( q → ¬ p )

1. Buat tabel kebenaran untuk pernyataan berikut:

( p ↔ q ) ↔ (( p → q) ∧ ( q → p ))

**Jawaban:**

1. Jawaban:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| interpretasi | p | q | ¬ q | p → ¬ q | ¬ p | q → ¬ p | (p → ¬ q ) ↔ ( q → ¬ p ) |
| 1 | B | B | S | S | S | S | B |
| 2 | B | S | B | B | S | B | B |
| 3 | S | B | S | B | B | B | B |
| 4 | S | S | B | B | B | B | B |

1. Jawaban:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| interpretasi | p | q | p ↔ q | p → q | q → p | ( p → q) ∧ ( q → p ) | ( p ↔ q ) ↔ (( p → q) ∧ ( q → p )) |
| 1 | B | B | B | B | B | B | B |
| 2 | B | S | S | S | B | S | B |
| 3 | S | B | S | B | S | S | B |
| 4 | S | S | B | B | B | B | B |